

Notice of Allowability

Application No.

10/723,073

Applicant(s)

COATES ET AL.

Examiner

Scott Au

Art Unit

2635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/2/06.
2. ☒ The allowed claim(s) is/are 1,3-5 and 7-18.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Allowable Subject Matter

This communication is in response to applicant's Amendment which filed March 2, 2006 in the application of Coates et al. for the "Identification coding schemes for modulated reflectance system" filed November 25, 2003.

The amendment has been entered and made of record.

Claims 2 and 6 are cancelled.

Claims 1,3-5 and 7-18 are allowed as evident by applicant's amendment.

Examiner Amendment

In drawing filed March 21, 2005 had been labeled as "Replacement sheets".

Cancelled Figures 3A, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A and 8B of drawing filed on November 25, 2003.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Au whose telephone number is (571) 272-3063. The examiner can normally be reached on Mon-Fri, 8:30AM – 5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached at (571) 272-3068. The fax phone numbers for the organization where this application or proceeding is assigned are (571)-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-3900.

Scott Au

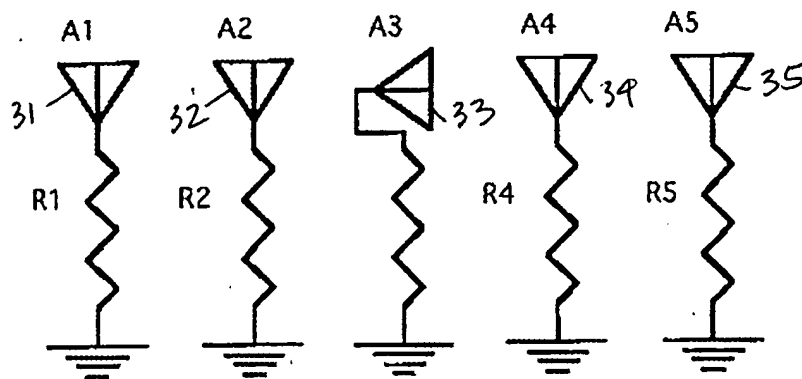


JEFFERY HOFSSASS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600



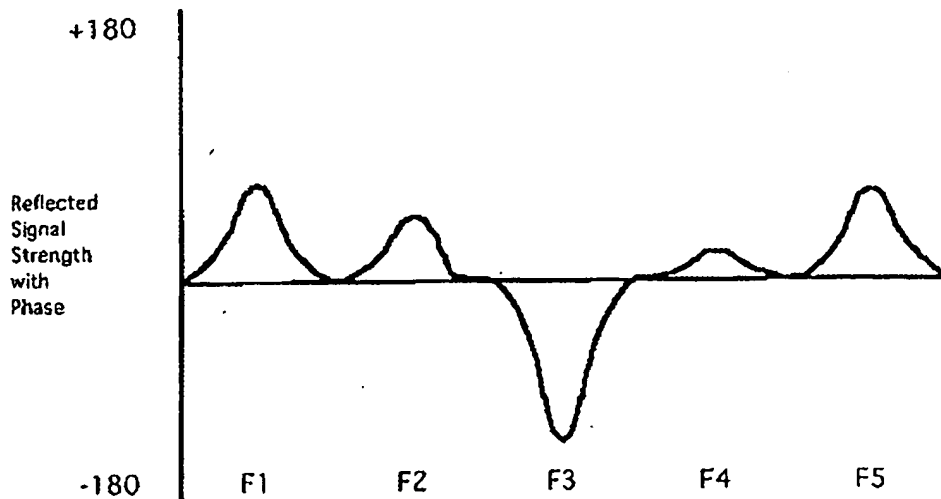
Replacement Sheet

FIG. 3A



Example case $0 < R3 > R1 = R5 < R2 < R4 < \infty$

Antennas A1, A2, A4 and A5 phased together, A3 phase 180° out from other antennas.



Signature of reflected signal as encoded by resistor elements and phasing of antennas.

FIG. 3B

REPLACEMENT SHEET

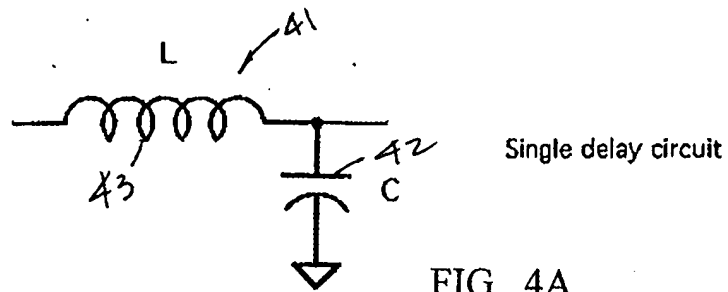


FIG. 4A

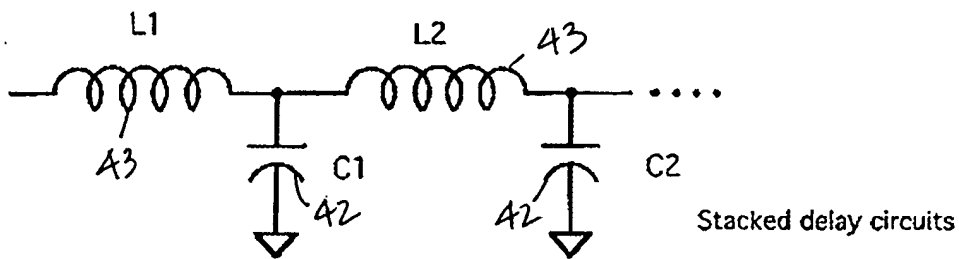


FIG. 4B

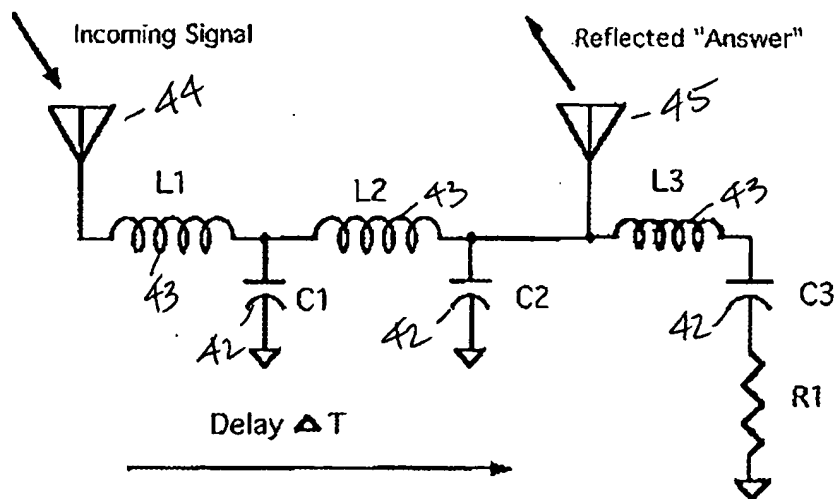
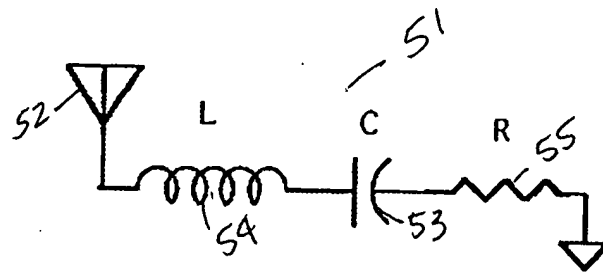


FIG. 4C

REPLACEMENT SHEET

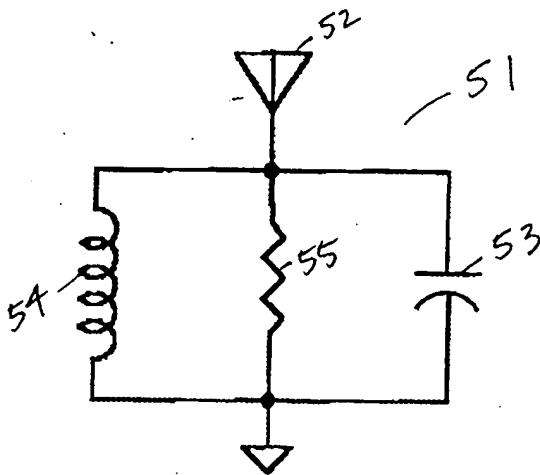


$$X_L = 2 \pi F C$$

$$X_C = \frac{1}{2 \pi F C}$$

When $X_L = X_C$, the incoming signal is absorbed compared to any other Freq,

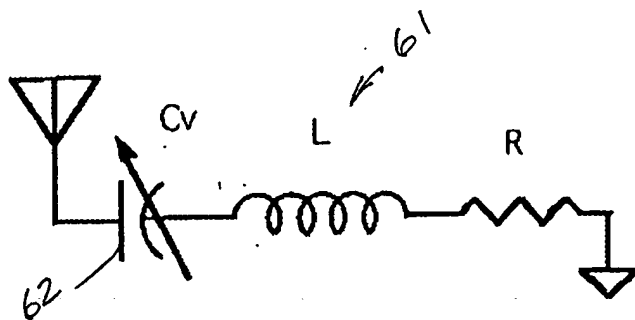
FIG. 5A



This circuit selectively reflects one frequency efficiently but absorbs at others.

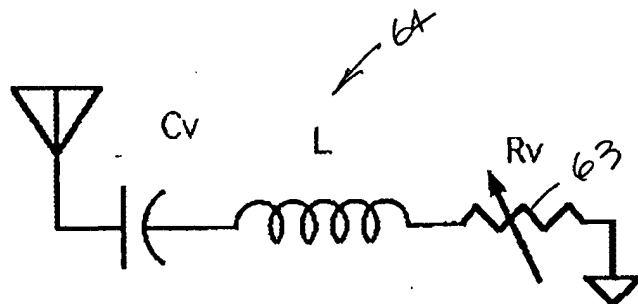
FIG. 5B

REPLACEMENT SHEET



Capacitor C_v changes due to spacing changes of the two capacitor electrodes.

FIG. 6A



Resistor R_v , e.g. a carbon loaded resistor reduces resistance at higher pressures when compressed.

FIG. 6B

REPLACEMENT SHEET

